10

NAME OF WORK: CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05		
Abstract of Detailed Cost Estimate		
Sl. No.	Description of Work	Cost in Rs.
1	Civil Works	3064251.17
2	Water Supply and Sanitary Works	228671.39
3	Electrical Works	266361.80
	Total Cost	3559284.35
4	KRIDL AND OTHER CHARGES (11% of the estimated cost)	440000.00
	Total Cost	3999284.35
5	Miscellaneous and Rounding off	715.65
	Grand Total in Rs	4000000.00

Certificate:

1) The Work spot has been inspected and found to be necessory
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessory and minimum
4) The estimate is based on C.S.R 2016-2017 and approved rates

Assistant Engineer
Yalahanka Project
BBMP

Assistant Engineer
Yalahanka Project
BBMP

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer
Yalahanka Project
BBMP
6/6/17

Administrative Approval

Accorded For 40.00 lakhs only
Head of A/C P-3112
CER NO : 96/17-18 Dt: 16/1/18

E.E. (Project) 16/1

Technical Sanction

Accorded For 40.00 lakhs
Head of A/C P-3112
CER NO : 554 Dt: 17/1/18
(SSA)

[JA] CE (YNK)

BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work,Construction of Dr.B.R.Ambedkar Bhavan in Kogilu layout in Ward No.05

Sl. No.	Description of works		Unit	NO	L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Repairs and dismantling items									
1	KSRRB M200-15.1.Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry , cement concrete,wood work,steel work, including T& P and scaffolding wherever necessary , sorting the dismantled material,disposal of unserviceable marerial and stacking the serviceable material with all lifts complete as per specificationsii)**Dismantling brick** / tile work in cement mortar (PWD, S.R. 2016-17)(p 137, Item No.18,23)									
	Basic Rate =	244.00								
	Area Weightage @8%=	19.52								
	Total Rate =	**263.52**	Ha							
				2	3.60	0.23	3.00	4.97		
				2	6.50	0.23	3.00	8.97		
								13.94	**263.52**	**3672.94**
2	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / **Reinforced cement concrete** grade M-20 & above. MORTH Specification No. 202(PWD, S.R. 2016-17)(p 137, Item No.18,19)									
	Basic Rate =	1022.00								
	Area Weightage @8%=	81.76								
	Total Rate =	**1103.76**	Ha							
	Columns			4	0.20	0.45	3.00	1.08		
	Slab			1	3.60	6.50	0.15	3.51		
								4.59	**1103.76**	**5066.26**
3	KSRRB M200-10.1 **Clearing and grubbing road land** including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm,, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials to be used or auctioned,s including removal and disposal of top organic soil not exceeding 150 mm in thickness as per specifications. I. By Manual I Means, A, In area of light jungle.MORTH Specification 201.(PWD, S.R. 2016-17)(Page No. 136, Item No.18.13)									
	Basic Rate =	48878.00								
	Area Weightage @8%=	3910.24								
	Total Rate =	**52788.24**	Ha							
				1	18.50	16.00		296.00		
								0.03	**52788.24**	**1562.53**
4	KSRRB M300-58: **Compaction of original ground** with maximum of 6 passes of 8 to 10 tones power roller including filing in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH Specification No.305.3.4(PWD, S.R. 2016-17)									
	Basic Rate =	4.50								
	Area Weightage @8%=	0.36								
	Total Rate =	**4.86**	Cum							
				1	18.50	16.00	0.30	88.80		
								88.80	**4.86**	**431.57**
5	KSRB 2 - 1.1: **Earthwork in surface excavation in ordinary soi**l for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.specification No.KBS 2.1(a) / 2.3.1 (PWD, S.R. 2016-17)(Page No. 5, Item No.2.1)									
	Basic Rate =	157								
	Area Weightage @8%=	12.56								
	Total Rate =	**169.56**	Cum							
				1	18.50	15.00	0.30	83.25		
								83.25	**169.56**	**14115.87**
6	KSRB 2-2.2: **Earthwork excavation by manual means for foundation** of buildings,water supply,sanitary lines and electrical conduits either in pis or in trenches1.5m and above in width,in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches ,stacking the excavated soil clear from the edges of excavation with lead upto 50m after breaking of clods complete as per specifications. specification No.KBS2.1(b) /2.3.5 (PWD, S.R. 2016-17)(Page No. 5, Item No.2.4)									
	Basic Rate =	283.00								
	Area Weightage @8%=	22.64								
	Total Rate =	**305.64**	Cum							
	F1			12	2.30	2.00	1.50	82.80		
	F2			9	2.00	1.70	1.50	45.90		
	F3			2	1.40	1.40	1.50	5.88		
	External Wall			2	15.50	0.60	0.90	16.74		
				2	12.60	0.60	0.90	13.61		
	Partition Wall			1	12.60	0.45	0.60	3.40		
				1	3.00	0.45	0.60	0.81		
								169.14	**305.64**	**51695.95**

	KSRB4-1.3:- Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed concrete laid layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour. HOM of mahinery, curing complete as per specifications . specification no KBS 4.1,4.2 (PWD, S.R. 2016-17)(Page No. 12, Item No.4.3)									
	Basic Rate =	4867.00								
	Area Weightage @8%=	389.36								
	Total Rate =	**5256.36**	Cum							
	F1			12	2.30	2.00	0.10	5.52		
	F2			9	2.00	1.70	0.10	3.06		
				2	1.40	1.40	0.10	0.39		
	External Wall			2	15.50	0.60	0.10	1.86		
				2	12.60	0.60	0.10	1.51		
	Partition Wall			1	12.60	0.45	0.10	0.57		
				1	3.00	0.45	0.10	0.14		
								13.05	**5256.36**	**68574.47**
8	KSRB 4.2.1 : Providing and laying in position **reinforced cement concrete of design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, Pedastals, retaining walls, return walls (any thickness) including attached pilasters, columns, pillars, posts, struts, bed blocks, anchor blocks and Plinth etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD, S.R. 2016-17)(Page No. 13, Item No.4.10)									
	Basic Rate =	6221.00								
	Area Weightage @8%=	497.68								
	Total Rate =	**6718.68**	Cum							
	F1			12	2.10	1.80	0.50	22.68		
	F2			9	1.80	1.50	0.50	12.15		
	F3			2	1.20	1.20	0.50	1.44		
								36.27	**6718.68**	**243686.52**
9	KSRB 2.3: **Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layers by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications.(PWD, S.R. 2016-17)(Page No. 6, item No. 2.10)									
	Basic Rate =	127.00								
	Area Weightage @8%=	10.16								
	Total Rate =	**137.16**	Cum							
	Total Earth Work Qty.							169.14		
	Stage			1	10.00	3.00	0.30	9.00		
	Deduct									
	Bed Concrete							13.05		
	Footing							36.27		
	Columns upto ground level							0.85		
	S.S.M.Masonry in foundation							19.98		
								70.14		
								108.00	**137.16**	**14812.76**
10	KSRB5.2.2: Providing and constructing granite/trap/basalt **size stone masonry** in foundation with cement mortor 1:8,stone hammer dressed in courses less than 20 cms high.bond stones at 2 m apart in each course, including cost of all materials ,labour, curing complete as per specification. No. KBS 5.1.13 (PWD, S.R. 2016-17)(Page No. 23, item No. 5.5)									
	Basic Rate =	4037.00								
	Area Weightage @8%=	322.96								
	Total Rate =	**4359.96**	Cum							
	External wall			2	15.50	0.45	0.45	6.28		
				2	12.60	0.45	0.45	5.10		
				2	15.50	0.45	0.30	4.19		
				2	12.60	0.45	0.30	3.40		
	For Partitions									
				1	12.60	0.45	0.25	1.42		
				1	3.00	0.45	0.25	0.34		
								20.72		
	Deduct									
	Columns			18	0.23	0.45	0.40	0.75		
								19.98	**4359.96**	**87100.23**

11	KSRB 4.2.7 :Providing and laying in position **reinforced cement concrete of design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD, S.R. 2016-17)(Page No. 13, item No. 4.12)										
	Basic Rate =	6367									
	Area Weightage @8%=	509.36									
	Total Rate =	**6876.36**	Cum								
	Columns Upto Ground level			12.00	0.30	0.45	0.35	0.57			
				9.00	0.20	0.45	0.35	0.28			
				2	0.20	0.45	0.35	0.06			
	Columns										
				12	0.30	0.45	3.60	5.83			
				9	0.20	0.45	3.60	2.92			
				2	0.20	0.45	3.60	0.65			
	Plinth Beam										
	PB(200*300)			2	15.50	0.20	0.30	1.86			
				3	13.00	0.20	0.30	2.34			
	PB(115*225)			2	3.00	0.12	0.23	0.16			
	Roof Beam										
	GB(200*600)			2.00	15.50	0.20	0.45	2.79			
				3.00	13.00	0.20	0.45	3.51			
	GB(300*750)			3.00	3.00	0.20	0.45	0.81			
				3.00	12.60	0.30	0.75	8.51			
				3.00	11.90	0.30	0.75	8.03			
	Slabs			1.00	11.00	11.70	0.15	19.31			
				1.00	12.00	3.00	0.15	5.40			
	Portica			1	4.80	2.80	0.15	2.02			
	Chajja			12	1.50	0.40	0.08	0.54			
	Lintel										
	D			12	1.50	0.20	0.20	0.72			
	W			2	1.20	0.12	0.12	0.03			
	MD			1	2.40	0.20	0.20	0.10			
								66.42	**6876.36**	**456734.64**	
12	KSRB 4-6.1: Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specification Specification No. KBS 4.6.2 (PWD, S.R. 2016-17)(PWD, S.R. 2016-17)										
	Basic Rate =	226.00									
	Area Weightage @8%=	18.08									
	Total Rate =	**244.08**	Sqm								
	footing			48	2.10		0.50	50.40			
				36	1.80		0.50	32.40			
								82.80	**244.08**	**20209.82**	
13	KSRB 4-6.4: Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2016-17)(Page No. 15, item No. 4.31)										
	Basic Rate =	293.00									
	Area Weightage @8%=	23.44									
	Total Rate =	**316.44**	Sqm								
	PB(200*300)			2	15.50		0.60	18.60			
				3	13.00		0.60	23.40			
				2	3.00		0.45	2.70			
								44.70	**316.44**	**14144.87**	
14	KSRB 4-6.5: Providing and **removing centering, shuttering, strutting, propping** etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2016-17)(Page No. 16, item No. 4.32)										
	Basic Rate =	366.00									
	Area Weightage @8%=	29.28									
	Total Rate =	**395.28**	Sqm								
	Columns Upto Ground level			12	1.80		0.35	7.56			
	Above GL			12	1.80		3.60	77.76			
				11	1.60		0.35	6.16			
				11	1.60		3.60	63.36			

								154.84	395.28	61205.16
15	KSRB 4-6.2: Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2016-17)(Page No. 15, item No. 4.29.2)									
	Basic Rate =	550.00								
	Area Weightage @8%=	44.00								
	Total Rate =	**594.00**	Sqm							
	Slabs			1	14.00	12.00		168.00		
								168.00	**594.00**	**99792.00**
16	KSRB 15-3.14: Providing **12mm thick cement plaster** in Single coats with cement mortar **1:3**, to ceiling including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD, S.R. 2016-17)(Page No. 114, item No. 15.21)									
	Basic Rate =	193.00								
	Area Weightage @8%=	15.44								
	Total Rate =	**208.44**	Sqm							
	Stage			1	15.00	13.00		195.00		
								195.00	**208.44**	**40645.80**
17	KSRB 4.9.2: Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT bars Fe 500(PWD, S.R. 2016-17)(Page No. 1, item No. 4.46.2)									
	Basic Rate =	60607.00								
	Area Weightage @8%=	4848.56								
	Total Rate =	**65455.56**	Tonne							
	Footings @ 50Kg/cum				36.27			18.14		
	Columns @ 150Kg/cum				10.31			15.46		
	Plinth beam @130Kg/cum				4.36			5.66		
	Roof Slab @ 90Kg/cum				26.72			24.05		
	Lintel @ 100Kg/cum				0.85			0.85		
	Chajja @ 80Kg/cum				0.54			0.43		
	Roof Beam @ 150Kg/cum				23.65			35.47		
								100.06		
								10.01	**65455.56**	**654954.65**
18	KSRB 5-14 : Providing and constructing **load bearing wall with solid concrete blocks** having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications . KBS No.5.4 with solid concrete blocks of size 40x20x20cm (PWD, S.R. 2016-17)(Page No. 24, item No. 5.26.1)									
	Basic Rate =	937.00								
	Area Weightage @8%=	74.96								
	Total Rate =	**1011.96**	Sqm							
				2	15.50		3.50	108.50		
				3	12.60		3.50	132.30		
				1	3.00		3.50	10.50		
				1	8.30		0.23	1.87		
								253.17		
	Deduct									
	D1			1	3.00		2.40	7.20		
	D2			2	0.90		2.10	3.78		
	D3			2	0.70		2.10	2.94		
	W1			12	1.80		1.20	25.92		
	v1			12	1.80		0.30	6.48		
	V2			2	0.60		0.30	0.36		
								46.68		
								206.49	**1011.96**	**208957.09**
19	KSRB 5-15 : Providing and constructing **non-load bearing wall** with cement concrete solid blocks with compressive strength not less than 3.5 Newton per Sqmm with cement mortar 1:4 (quoin, Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (PWD, S.R. 2016-17)(Page No. 25, item No. 5.28)									
	Basic Rate =	716.00								
	Area Weightage @8%=	57.28								
	Total Rate =	**773.28**	Sqm							

				2	3.00		3.00	18.00		
	Parapete			2	15.00		0.90	27.00		
				2	13.00		0.90	23.40		
								41.40	**773.28**	**32013.79**
20	Providing and fixing for flooring 20mm thick gang saw water cut **sadarhalli gray granite** in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200mm(PWD, S.R. 2016-17)(Page No. 103, item No. 14.61.1)									
	Basic Rate =	1986.00								
	Area Weightage @8%=	158.88								
	Total Rate =	**2144.88**	Sqm							
	Hall			1	8.85	12.60		111.51		
	Stage			1	3.00	12.60		37.80		
	Office			1	6.20	3.00		18.60		
	Entrancesteps			1	2.50	2.60		6.50		
								174.41	**2144.88**	**374088.52**
21	KSRB 14.14-5: Providing **Ceramic tiles** of approved make, shade and size for flooring treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement usign colour pigment, including cost of materials, labour, curing, complete as per specifications.(size 30 x 30 cms) (PWD, S.R. 2016-17)(Page No. 106, item No. 14.36.2)									
	Basic Rate =	1176.00								
	Area Weightage @8%=	94.08								
	Total Rate =	**1270.08**	sqm							
	Toilet			2	1.80	3.10		11.16		
								11.16	**1270.08**	**14174.09**
22	KSRB 14-17.1: Providing skirting, dado, rises of steps with **White glazed tiles 20x20cms 6mm th**ick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. specification No. KBS 14.16,14.17(PWD, S.R. 2016-17)(Page No. 106, item No. 14.40)									
	Basic Rate =	951.00								
	Area Weightage @8%=	76.08								
	Total Rate =	**1027.08**	sqm							
				4	3.10		2.10	26.04		
				4	1.80		2.10	15.12		
								10.92	**1027.08**	**11215.71**
23	KSRB 9.4-1 : Providing **Teak wood frames of doors**, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. (PWD, S.R. 2016-17)(Page No. 51, item No. 9.10)									
	Basic Rate =	185914.00								
	Area Weightage @8%=	14873.12								
	Total Rate =	**200787.12**	Cum							
				2	0.08	0.10	2.40	0.04		
				2	0.10	0.05	2.50	0.03		
								0.06	**200787.12**	**12248.01**
24	KSRB 9.5-1 : Providing and fixing in position fully panelled **Teak wood shutters for doors**, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34(PWD, S.R. 2016-17)(Page No. 51, item No. 9.14)									
	Basic Rate =	8300.00								
	Area Weightage @8%=	664.00								
	Total Rate =	**8964.00**	Sqm							
				1	2.50		2.40	6.00		
								6.00	**8964.00**	**53784.00**
25	KSRB9.4.1-Providing **Math/Nandi wood frames of doors** ,windows, clerestory windows, ventilatorsand other frames,wroughtframed or assembled including making plaster grooves(excluding cost of cement concrete and side clamps),but including cost of materials,labour ,HOM of machineries, complete as per specifications. Specification No.KBS9.33 (PWD, S.R. 2016-17)(Page No. 51, item No. 9.12)									
	Basic Rate =	80792.00								
	Area Weightage @8%=	6463.36								
	Total Rate =	**87255.36**	Cum							
				2	0.05	0.10	2.10	0.02		
				2	0.10	0.05	2.10	0.02		
								0.04	**87255.36**	**3664.73**
26	KSRB9.5-1:Providing and fixing in position Mathi.**Nandi wood shutters** for doors with styles and rails of 40 mm, thick with bottom and lock rails 180 mm wide top rails and styles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials , labour HOM of machinery complete as per specifications (excluding cost of fixtures) specification no.KBS 9.34 (PWD, S.R. 2016-17)(Page No. 51, item No. 9.16)									
	Basic Rate =	3925.00								
	Area Weightage @8%=	314.00								

	Total Rate =	**4239.00**	Sqm							
				2	0.90		2.10	3.78		
								3.78	**4239.00**	**16023.42**
27	KSRB 15-3.9: Providing **18mm thick cement plaster** in Single coats with cement mortar **1:6** to Brick Masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. External Plastering (PWD, S.R. 2016-17)(Page No. 114, item No. 15.17)									
	Basic Rate =	198.00								
	Area Weightage @8%=	15.84								
	Total Rate =	**213.84**	Sqm							
	External wall			2	15.10		3.60	108.72		
				2	12.60		3.60	90.72		
	Deduct							**199.44**		
	D1			1	2.50		2.40	6.00		
	W1			12	1.80		1.20	25.92		
	v1			12	1.80		0.30	6.48		
								38.40		
								161.04	**213.84**	**34436.79**
28	KSRB 15-3.3: Providing **12mm thick cement plaster** in single coat with cement mortor 1:6, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Including lime rendering) (PWD, S.R. 2016-17)(Page No. 113, item No. 15.11)									
	Basic Rate =	150.00								
	Area Weightage @8%=	12.00								
	Total Rate =	**162.00**	Sqm							
	Internal Plastering			2	15.10		3.60	108.72		
				4	12.60		3.60	181.44		
				4	3.00		3.60	43.20		
								333.36		
	D1			1	2.50		2.40	6.00		
	W1			12	1.80		1.20	25.92		
	v1			12	1.80		0.30	6.48		
								38.40		
								294.96	**162.00**	**47783.52**
29	KSRB 15-15.1: Providing and applying **painting in two coats with plastic emulsion paint** of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specification - do with primer (PWD, S.R. 2016-17)(Page No. 117, item No. 15.51.2)									
	Basic Rate =	90.00								
	Area Weightage @8%=	7.20								
	Total Rate =	**97.20**	Sqm							
	Internal Plastering							294.96		
								294.96	**97.20**	**28670.11**
30	KSRB15-16.2: Providing and finishing external walls with in **two coats with water proof cement pain**t of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortardrops and other foreign matter cost of material labour complete as per specifications with primer. (PWD, S.R. 2016-17)(Page No. 118, item No. 15.53.2)									
	Basic Rate =	84.00							-	
	Area Weightage @8%=	6.72								
	Total Rate =	**90.72**	Sqm							
								161.04		
								161.04	**90.72**	**14609.55**
31	KSRB 7.10 : Providing and fixing in position anodized **aluminium windows and ventilators** as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mm x 18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc. and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in									
	the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steels crews, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rust and coated with greasy for non adhesion of mortor and other sticky materials: (this coating should be cleaned after installation) including cost of materials, labour charges, HOM of machineries complete as per specifications. Specification No. KBS (Page No. 32, item No. 7.10.1)									
	Basic Rate =	3818								
	Area Weightage @8%=	305.44								
	Total Rate =	**4123.44**	Sqm							
	W			12	1.80		1.20	25.92		
	V			12	1.80		0.30	6.48		
				2	0.60		0.30	0.36		

								32.76	4123.44	135083.89
32	KSRB 7.17: Providing , fabricating , assembing and fixing in position **aluminium doors** using following **aluminium mat finish or glossy finish**, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505 kg/m , top section 47.62x44.45mm thickness 3.18mm, section weight 2.646 kg/m, door central section 49.91x44.45mm thickness 3.00mm,section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m , aluminium section cut to length joint metred corners grinded , the shutters pivoted opening arrangment with heavy duty aluminium alloy automatic door closures floor mounted ,providing and fixing standard approved accessories , such as aluminium handle for full width or length, tower bolts, lock , pivots :P.V.C.or rubber gasket with 5.5m.thick plain glass for top and bottom panel: aluminium section treated for removel of any rust and prevention of further rust formation,and coated with greasy materials for non - adherance of mortars or any other stick materials; the assemble frame fitted with the corner angles, strips and fitted with screws ,rawl plugs or teakwood guttise to R.C.C.columns or masonry on sides. beams and flooring in bottom. including cutting , chistling and making good with cement mortar to match the surface ;all the frames throughly cleaned free from rust, scale , or dirt including cost of materials,fixtures,labour and HOM of machinery complete as per specifications.(PWD, S.R. 2016-17)(Page No. 37, item No. 7.17.2)										
	Basic Rate =	6310.00								
	Area Weightage @8%=	504.80								
	Total Rate =	**6814.80**	Sqm							
	D1			2	0.90		2.10	3.78		
								3.78	**6814.80**	**25759.94**
33	KSRB 7.9 : Providing and fixing **M.S.grill work for windows and ventilators** weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 32, I.No. 7.9 of PWD SR 2015-16)(Page No. 31, item No. 7.9)									
	Basic Rate =	78								
	Area Weightage @8%=	6.24								
		84.24	kgs							
	W			12	1.80		1.20	25.92		
	V			12	1.80		0.30	6.48		
	FRONT GRILL			1	9.00		0.90	8.10		
	21kg/Sqm							**40.50**		
	FRONT ARCH							**150.00**		
								850.50	**84.24**	**71646.12**
34	Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps or Staircase are made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c are fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes are fixed horizontally for 2-rows top, one pipes are fixed with vertical pipes another one are fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or Staircase for physically challenged. (P. No. 43 / I. No. 7.39 of CSR 2015-16)									
	Basic Rate =	5821								
	Area Weightage @8%=	465.68								
		6286.68	Sqm							
	Entrance steps			3	3.00		1.00	9.00		
								9.00	**6286.68**	**56580.12**
	Compound Wall									
35	KSRB 2-2.1: **Earthwork excavation for foundation** of buildings culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches where excavation width is up to 600mm and below 1.5m, in ordinary soil including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/2.3.5. (PWD, S.R. 2016-17)(Page No. 5, item No. 2.1)									
	Basic Rate =	157.00								

	Area Weightage @8%=	12.56								
	Total Rate =	**169.56**	Cum							
				1	23.00	0.45	0.45	4.66		
								4.66	**169.56**	**789.73**
36	Providing and laying in **position plain cement concrete of mix M 1:3:6** With opc Cement @ 220 kgs with using 40mm and down size graded granite metal Coarse Aggregates @0.892Cum , & Fine Aggregates @0.465Cum ,machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4.1.4.2 (PWD, S.R. 2016-17)(Page No. 12, item No. 4.1)									
	Basic Rate =	5046.00								
	Area Weightage @8%=	403.68								
	Total Rate =	**5449.68**	Cum							
				1	23.00	0.60	0.10	1.38		
								1.38	**5449.68**	**7520.56**
37	KSRB 5.1.3..Providing and constructing **granite / trap/ basalt size stone masonry in foundation** with cement mortar 1:6 stone hammer dressed in courses not less then 20 cms high, bond stones at 2 m apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD, S.R. 2016-17)(Page No. 23, item No. 5.3)									
	Basic Rate =	3249.00								
	Area Weightage @8%=	259.92								
	Total Rate =	**3508.92**	Cum							
				1	23.00	0.45	0.40	4.14		
								4.14	**3508.92**	**14526.93**
38	KSRB 5-14 : Providing and constructing **load bearing wall** with solid concrete blocks having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications . KBS No.5.4 with solid concrete blocks of size 40x20x20cm (PWD, S.R. 2016-17)(Page No. 24, item No. 5.26.1)									
	Basic Rate =	937.00								
	Area Weightage @8%=	74.96								
	Total Rate =	**1011.96**	Sq.m							
				1	23.00		2.00	23.00		
								23.00	**1011.96**	**23275.08**
39	KSRB 15-3.9: Providing **18mm thick cement plaster** in Single coats with cement mortar 1:6 to Brick Masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. External Plastering (PWD, S.R. 2016-17)(Page No. 114, item No. 15.17)									
	Basic Rate =	198.00								
	Area Weightage @8%=	15.84								
	Total Rate =	**213.84**	Sq.m							
				2	23.00		2.00	92.00		
								92.00	**213.84**	**19673.28**
40	Providing and fixing **M.S.Gate** as per architects drawingusing 50 x50 mm 14 guage M.S. Hollow pipe frame work bent to ornamental shape and 35 x 6 mm and 16 x 16 mm square rods vertically alternatively spaced at 4 cmc/c/ in two halves and 40 x 6 mm M.S.Flats for horizontal member at top and cast iron spikes are provided at alternate vertical members (PWD, S.R. 2016-17)**(Page No. 262, item No. 37.3)**									
	Basic Rate =	2934.00								
	Area Weightage @8%=	234.72								
	Total Rate =	**3168.72**	Sqm							
				1	4.00		1.52	6.10		
								6.10	**3168.72**	**19321.59**
	Sanitory and water supply									
41	KSRB 11-6: Providing & fixing **white vitreous china clay , water closet European type (Pedestal type , S-Trap)** with black solid plastic seat and lid . CP Brass hinges , rubber buffers, 10 litre white glazed / vitreous china clay low level flushing cistern (all are approved make) with fittings C.I. /M.S. Brackets , 40 mm diameter flush bend fittings and clamps over flow arrangement with specials and 25 mm mosquito proof coupling of approved design , painting of fittings and brackets ,cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. (PWD, S.R. 2016-17)(p 77,, Item No.12.6)									
	Basic Rate =	4955.00								
	Area Weightage @8%=	396.40								
	Total Rate =	**5351.40**	Nos.							
	L.Toilet			2				2		
	G.Toilet			2				2		
								4	**5351.40**	**21405.6**
42	KSRB 11-11.2: Providing and fixing **white vitreous china clay, flat back wash basin size 630x450mm with a single of 15mm C.P brass pillar taps** with C.I / M.S. brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (PWD, S.R. 2016-17)(p 80,, Item No.12.23)									
	Basic Rate =	3886.00								
	Area Weightage @8%=	310.88								
	Total Rate =	**4196.88**	Nos.							
				4				4		